GTECH104 - 3G, Voice, Video, WIFI Phone

User Manual

Preface

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IMPORTANT NOTICE

The GTECH Wireless Broadband Business System is not a mobile phone. As such please note the following in relation to the operation of the equipment.

1. In accordance with Australian and International regulatory standards, the user should operate the device whilst remaining a distance of 25 cm from the main phone unit.

2. This product has been designed to receive incoming and make outgoing calls on a GSM network, and whilst it operates in a similar manner to a mobile phone certain functions such as SMS Alphanumeric address is not available.

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1.Introduction

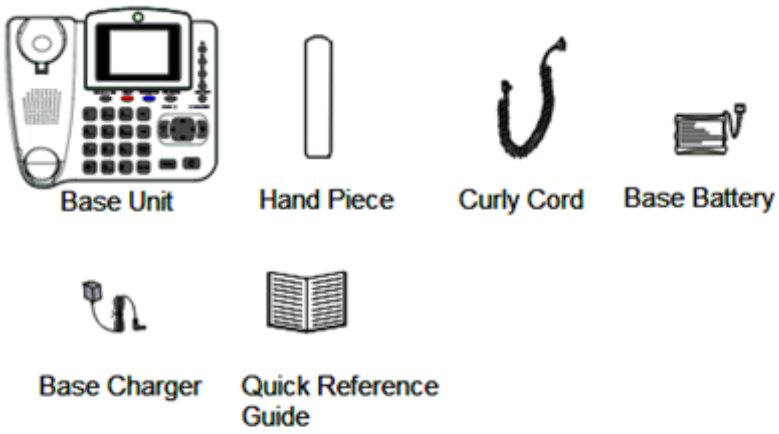
Introduction to your GTECH104

Welcome

Congratulations on your new purchase. Before you start using your GTECH104, make sure the On/Off switch is in the Off position. Do not turn on the phone until the following has been completed.

Getting Started

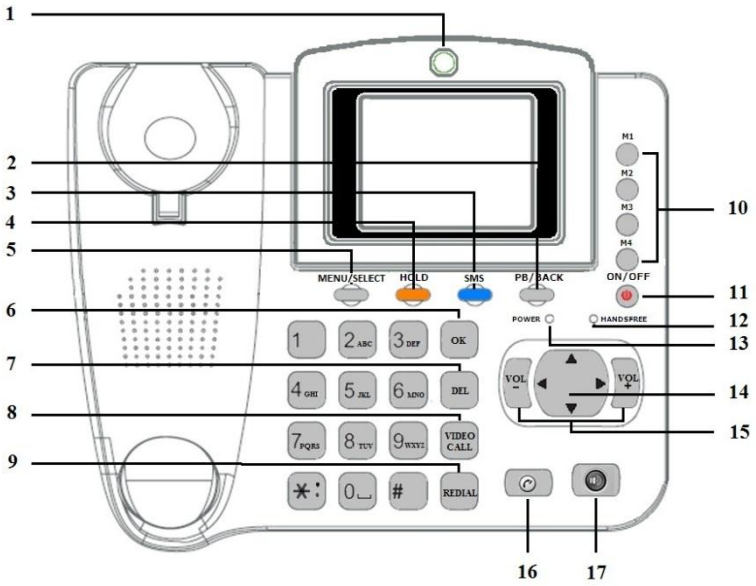
Check the contents of the box, you should have the following.



Technical Information

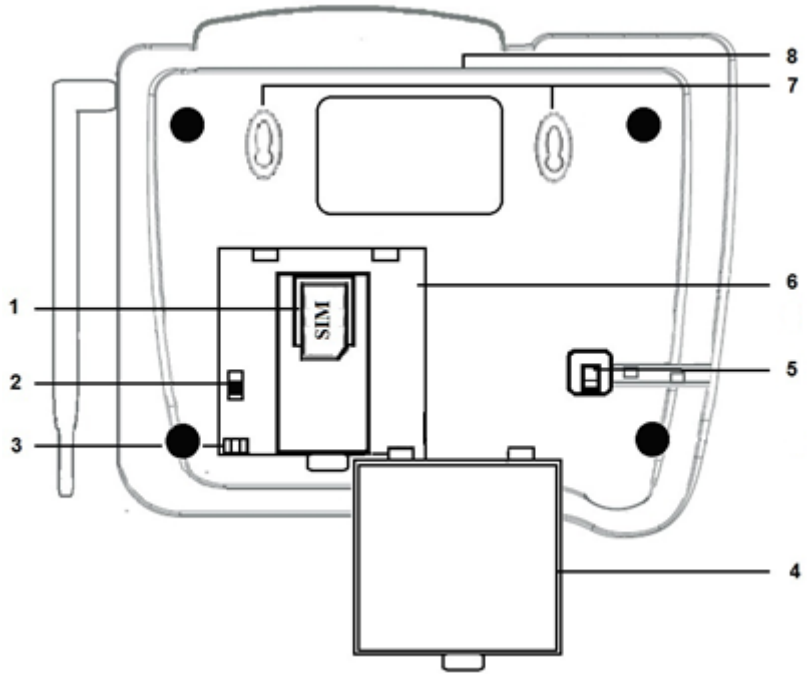
Dimensions (W x D x H)	230mm x 190mm x 75mm
Weight	1.2Kg
Mounting Mode	Desktop or Wall Mounted
Input Voltage	AC: 100 – 240V 50-60Hz 0.25A Output: 5V AC, 1000mA Standby Time: 48Hrs Talk Time: 3Hrs
Battery	Type: Li-ion Voltage:5V Capacity :1000mAh
Ambient Temperature	- l0°C - 60°C
Storage Temperature	-20°C - 80°C
Relative Humidity	5% - 95%
Working Frequency	UTMS (850 or 900)/1900/2100 Mhz GSM 850/900/1800/1900

Front View



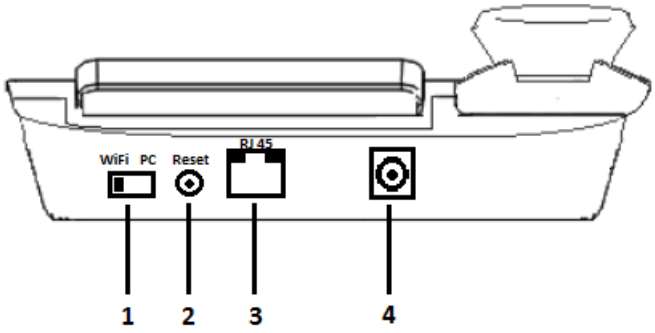
No		Item	Description
1		Camera	
2		P.B/Back	Access Contacts/Phonebook in standby mode Select option displayed in the lower right hand corner of the screen.
3		SMS	Access the Messages menu
4		Hold	Place a call on Hold.
5		Menu/Select	Access the Main Menu in standby mode. Select option displayed in the lower left hand corner of the screen.
6	OK	Ok	Select option displayed in the lower right hand corner of the screen.
7	DEL	Del	In SMS edit mode, deletes the character before the cursor.
8	VIDEO CALL	Video Call	Make a Video Call.
9	REDIAL	Redial	Redial the last number called.
10		Shortcut Keys	Speed dial a phone number.
11		On/Off	Turn the phone On or Off.
12		Hands free Indicator	Indicates if a call is being made or received hands free.
13		Power Indicator	Indicates if the power adapter is plugged in.
14		Scroll Key	Scroll to access Menu and Sub Menus
15	VOL VOL	Volume Keys	Adjust the volume during a call.
16		Send	Initiate a dial.
17		Speaker	Make or receive a call without lifting the hand piece.

Base View



No	Item
1	SIM Card Slot
2	On/Off
3	Battery Connector
4	Battery/SIM Card Cover
5	Hand Piece Jack (Connection)
6	Battery Container
7	Wall Mount Brackets
8	Power Jack (Connection)

Back View



No	Item	Description
1	3G/LAN	Switchable between 3G and LAN Access via Ethernet Port
2	Reset	Hold this button down for over 10 seconds to reset to factory defaults. Hold and release this button for less than 10 seconds to soft reset.
3	LAN/WAN	Switchable LAN/ WAN Ethernet port for Fixed Line (ADSL/Cable/Satellite) connection
4	Power	Power Jack, connects to a DC 5V 2A Power Adapter.

Icons

Icons	Description
	Network Signal Strength
	Message Received
	Voice Mail Received
	Missed Call
	Standard Profile
	Meeting Profile
	Silent Profile
	3G Network
	Battery Power Level

Menu Tree

Profile	Tools	Call Log	Messages
Standard	Alarm	Missed Calls	New
Meeting	Calculator	Outgoing Calls	Inbox
Silent	World Time	Incoming Calls	Outbox
New Profile	Browser	All Calls	Sent
	Calendar	Data Transmission	Drafts
		Call Duration	Cell Broadcast
			Templates
			Settings
Contacts	**Settings**		
All	Display Settings		
Group	Phone Settings		
	Call Settings		
	Network Settings		
	Security Settings		
	Connection Settings		
	Memory Status		
	Reset Settings		

Using the Menu

1. In Standby mode, press the **Menu/Select** key to display the main menu.
2. Press the scroll key to move around the menu options, and press the key to select items.
3. If the menu contains submenus, repeat Step 2.
4. Follow the prompts on the screen to select desired function.
5. Press the P.B./BACK key to return the previous menu.
6. Press the key to return to standby mode.

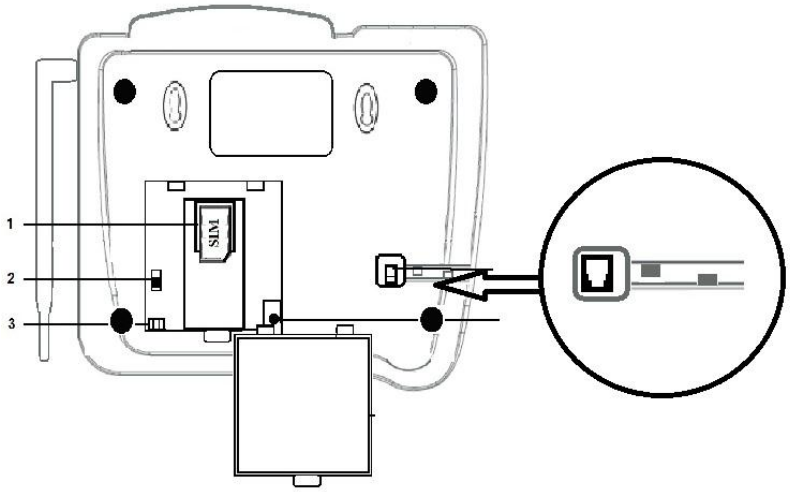
2. Basic Setup

WARNING!!!!! IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION OF THE GTECH104, PLEASE READ AND COMPLY WITH THE FOLLOWING INFORMATION BEFORE USING YOUR PHONE.

Please note, failure to follow the following steps can result in damage to the phone and therefore void any warranty on the product.

Handset Connection

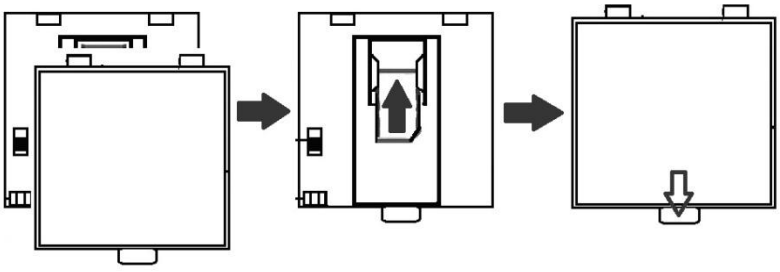
- Connect the hand piece to the handset connection located on the base of the phone as shown in the following figure.



Installing SIM

WARNING!!!!! The SIM card and its golden contact can be easily damaged by a scratch or bend. Be careful when installing or removing the SIM card.

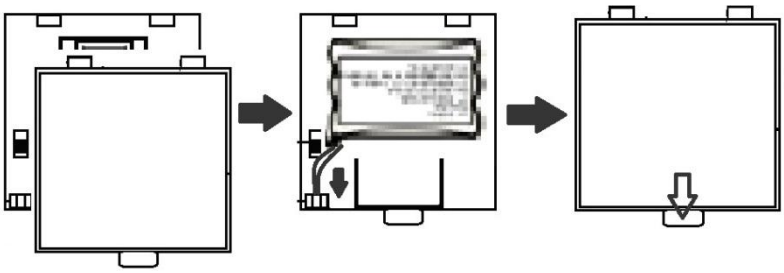
Power off the device and remove the power supply cable. Install the SIM card according to the following figure. Make sure that the golden contact on the SIM card is facing downwards.



Installing the Battery

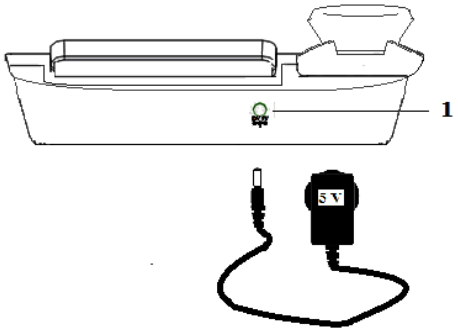
Warning: New batteries for the units are shipped partially charged. Before you start using the GTECH104, you will need to charge the batteries for at least 12 – 16 hrs.

Power off the device and remove the power supply cable. Install the battery according to the following figure. Make sure you clip the pins into the connecter correctly



External Power Adapter

- Insert the power adapter into the power jack labeled **DC 5V**, and plug it into a power source.



Turning the phone On

- Press and hold the key for 5 seconds to turn the phone on, the display lights up, and the phone is now on.

Turning the phone Off

- Press and hold the key for 5 seconds to turn the phone off, the display goes off, and the phone is now off.

3. Making Calls

Making a Voice Call

Pick up the hand piece and dial the number. Press , or wait 3 seconds for the call to connect.

Making a Video Call

Pick up the hand piece and dial the number. Press

to initiate a video call. Note: Video Calls can only be made between two GTECH104 devices, and provided a 3G service is available.

Answering a Call / Ending a Call

Pick up the hand piece to receive the call. Hang up the hand piece to end the call.

Redial

Pick up the hand piece and press the

key to dial the last number.

Handset Receiver Volume

During a call, you can adjust the volume by pressing the

key adjust accordingly.

Speakerphone Calls

Making a call using the Speakerphone

Press the key and dial the number, press , or wait 3 seconds for the call to connect.

Receiving a call using Speakerphone

Press the key for the call to be transferred to the loudspeaker. To switch the Speakerphone off, and return to the hand piece at any time, pick up the hand piece.

Putting a Call on Hold

To place an active call on hold, press the button. Press the button again, to return to the call.

4. Messaging

Input Modes

Note:

- Press the ***** key to display a list of Symbols.
- Press the **#** key to switch between input modes and or language (**ABC**, **abc**, **123**, **preABC**, **preabc**)
- Press the DEL key to Delete, the character in front of the cursor.
- Press the **"0"** key to insert a space.

Predictive Text
Press each key with the desired letter once, and the predictive text will present you with available words.

Traditional Input Method
Press the # Key to select either Upper Case or Lower Case mode, and then press the key with the desired letter repeatedly till the letter appears on the screen.

"123" Numeric Input Method
In Edit mode, press and hold the key with the desired number till it appears on the screen.

Symbol Input Method

In Edit mode, press the ***** key to display a list of symbols. Use the scroll key to scroll through the list of symbols, and press the OK key to select the one you want.

Inputting Different Languages
Press the # Key to select the language. Press each key with the desired letter once, and the predictive text will present you with available words.

Creating a Message

1. Select **Messages** > **New** and press the OK key to start writing a message.
2. Use the keypad to enter the message.
3. In the message editing screen, select **Options** to perform the operations in the operation list.
4. After editing the message, press the OK key to add a recipient's number.
5. Press the OK key to send the message.

Viewing a Message

1. Select **Menu** > **Messages** > **Inbox.**
2. Press the scroll key to scroll through the messages.
3. Press the OK key to view the selected message.
4. Select **Options (Menu/Select)** to Reply, Delete, Call, Extract, or Move to Mobile.

5.Settings

Display Settings

Allows you to adjust what's displayed on the screen when the phone is in idle mode, the backlight time, and the brightness of the screen.

Phone Settings

Allows you to adjust the Date and Time.

Call Settings

The GTECH104 supports a number of call features for supplementary services such as Call Waiting, Call Forwarding and Call Barring. **Note:** This applies to both Voice and Video calls.

Call Waiting
Call waiting allows for indication and answering of an incoming telephone whilst an existing call is underway.
Note: The Call Waiting feature will automatically turn off if you enable Call forwarding. Call Waiting will need to be enabled again after Call Forwarding is disabled.

Call Divert/Forwarding (All Calls)
Call forwarding all calls, will divert all incoming calls to either voicemail or a phone number that you desire.

Call Divert/Forwarding (No Answer)
Call forwarding No Answer will divert all incoming calls to either voicemail or a phone number that you desire only if the incoming call is not answered.

Call Divert/Forwarding (If Busy)
Call forwarding busy will divert all incoming calls to either voicemail or a phone number that you desire only if your telephone is busy on another call.

Call Divert/Forwarding (If Not Available)
Call forwarding busy will divert all incoming calls to either voicemail or a phone number that you desire only if your telephone is unreachable by the network.

Cancel All
Cancels all forwarding/diversion.

Network Settings

Allows you to choose a network mode (i.e. 3G or GSM), set a preferred network, and set the search mode to either Auto or Manual.

Security Settings

Allows you to lock the phone, using a PIN or Password.

Connection Settings

Allows you set the Access Point Name (APN) for the particular network you are connected to.

Reset Settings

Resets the GTECH104 to its default settings.

6. Data Service (Accessing the Internet)

Connect via USB

Setting Up a Mobile Broadband Connection via USB
Your **GTECH104** allows you to connect your computer to the internet over the 3G mobile network.

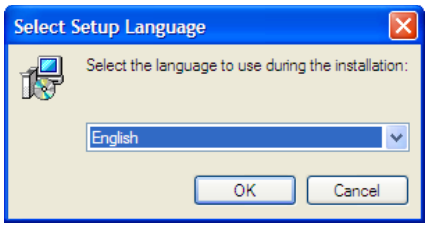
System Requirements
To use the **GTECH104** and the Mobile Connect Software, you need :

- A computer running Microsoft Windows XP or 2000.
- At least 100 MB free disk space and 256 MB RAM
- A USB socket
- Administration rights on your computer

Start by connecting the supplied USB cable to your Phone and PC.

The first time you connect the **GTECH104** to your PC, the phone will display "**Dial up**", press the OK key, and the software setup should start automatically.

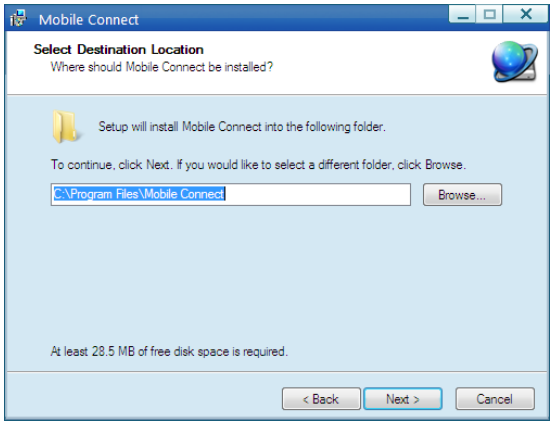
On your PC, Select **English** from the dropdown box, and click the **OK** button to proceed.



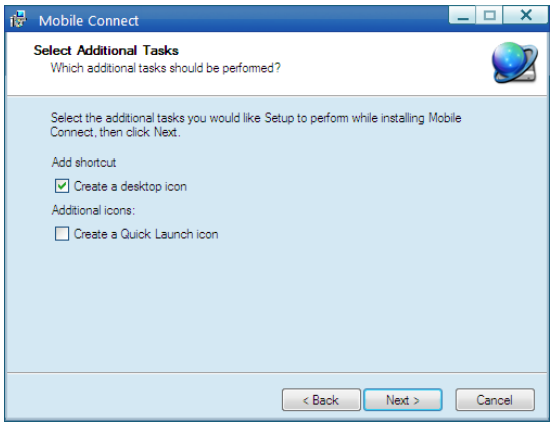
Click the **Next** button to procced.

Mobile Connect
Welcome for Mobile Connect Setup Wizard
This will install Mobile Connect version 2.0.0.36 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

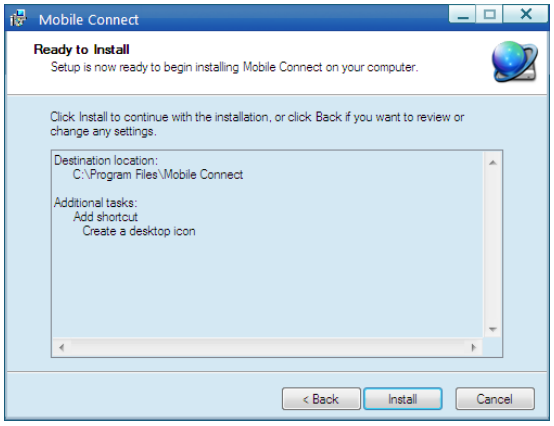
Leave the destination folder as default, and click the **Next** button to proceed.


Mobile Connect
Select Destination Location
Where should Mobile Connect be installed?
Setup will install Mobile Connect into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\Mobile Connect
Browse...
At least 28.5 MB of free disk space is required.
< Back
Next >
Cancel

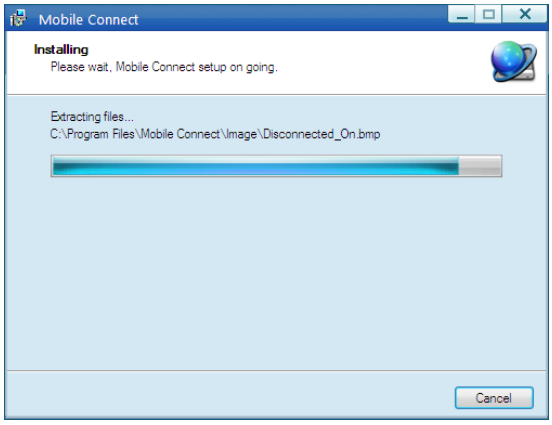
Click the **Next** button to proceed.


Mobile Connect
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing Mobile Connect, then click Next.
Add shortcut
Create a desktop icon
Additional icons:
Create a Quick Launch icon
< Back
Next >
Cancel

Click the **Install** button to start the installation.


Mobile Connect
Ready to Install
Setup is now ready to begin installing Mobile Connect on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\Mobile Connect
Additional tasks:
Add shortcut
Create a desktop icon
< Back
Install
Cancel

Click the **Finish** button to complete the installation. You are now ready to Browse the Internet.



Mobile Connect
Mobile Connect Setup Completed.
Setup has finished installing Mobile Connect on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Launch application
Finish

Note: You may need to unplug and re-plug the USB from the phone for the device to be recognized by the Mobile Connect Software.

Click **Connect** in the Mobile Connect Panel, this will enable access across the mobile phone network.

Connect via WiFi

Setting Up a Mobile Broadband WiFi Connection

Your **GTECH104** allows you to connect your computer via a WiFi hotspot to get internet access over the 3G mobile network.

System Requirements

To use the GTECH104 and the WiFi Connectivity, you need :

- A computer running Microsoft Windows XP or 2000.
- A computer with built-in wireless networking support or a wireless network adapter
- Make sure that the supplied power adapter (5V) is plugged into the back of the unit, as it needs minimum current for the WIFI to work.

Default Settings

LAN Management

Static IP Address:	**192.168.1.1**
Subnet Mask :	**255.255.255.0**
Default Gateway :	**192.168.1.1**

WAN Internet

WAN Mode:	**DHCP**

Wireless

SSID:	**192.168.1.1**
Security :	**WPA-PSK**
Security Key :	**12345678**

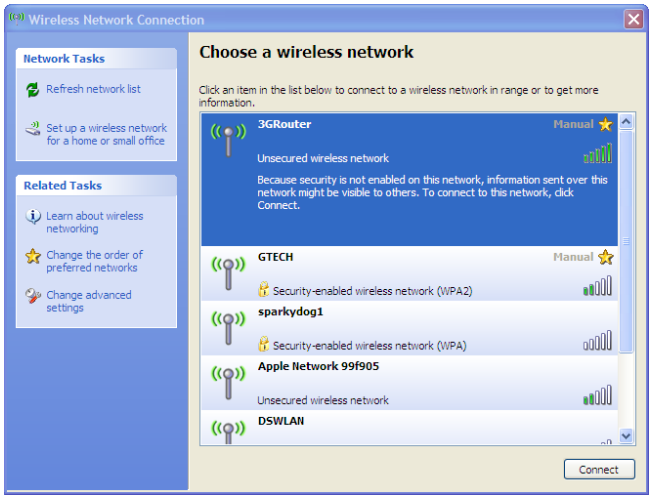
Interface Access

Username:	**admin**
Password :	**admin**

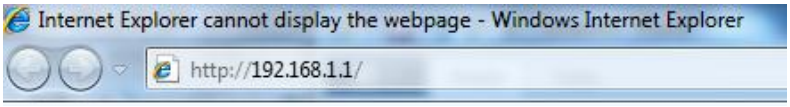
First Time Simple Configuration Wizard

1. Ensure the WiFi is enabled on your device (PC/Smartphone/gaming console)

2. Scan for wireless networks in your area and connect to the network labelled "**3GRouter**" or "**TFnet-Wifi Router**"


Wireless Network Connection
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
3GRouter
Manual
Unsecured wireless network
Because security is not enabled on this network, information sent over this network might be visible to others. To connect to this network, click Connect.
GTECH
Manual
Security-enabled wireless network (WPA2)
sparkydog1
Security-enabled wireless network (WPA)
Apple Network 99f905
Unsecured wireless network
DSWLAN
Connect

3. After establishing a wireless connection, open your Web browser and type in **http://192.168.1.1** into the address bar at the top of the web browser window and press "**Enter"**



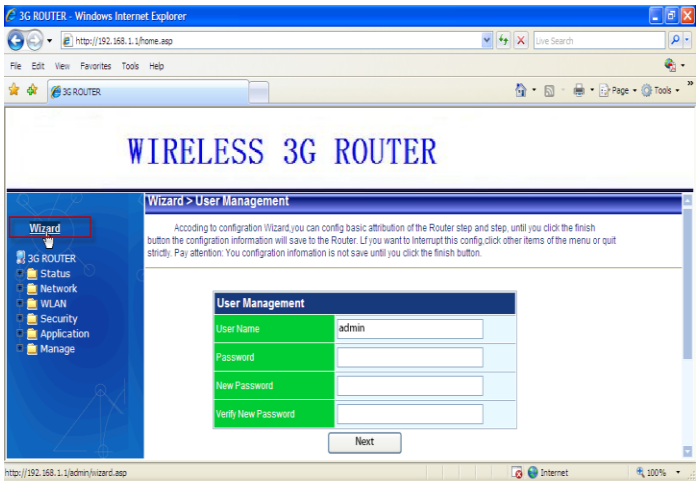
You will be prompted with a popup window, requesting a Username and Password.

4. Enter **admin** as the username, and the password as **12345678**, and click **OK** to continue.

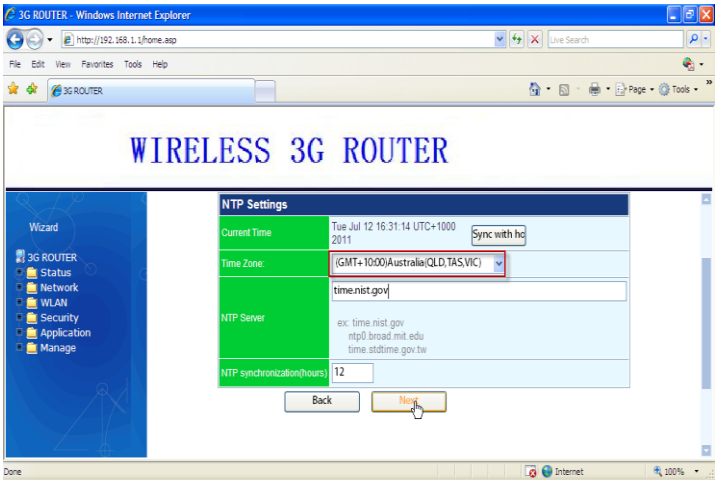
Windows Security
The server 192.168.1.1 at 3GRouter requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
admin
Remember my credentials
OK
Cancel

The following web page will be displayed when you log in successfully.

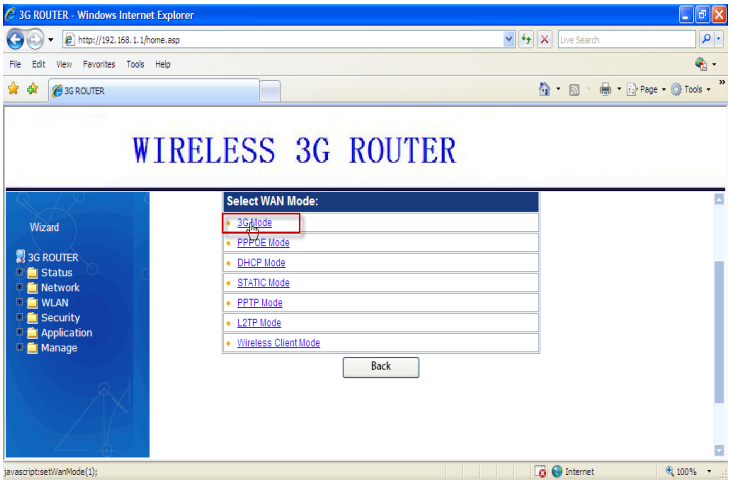
5. Click the "**Wizard**" option on the top left hand corner of the screen and click **Next** to continue.



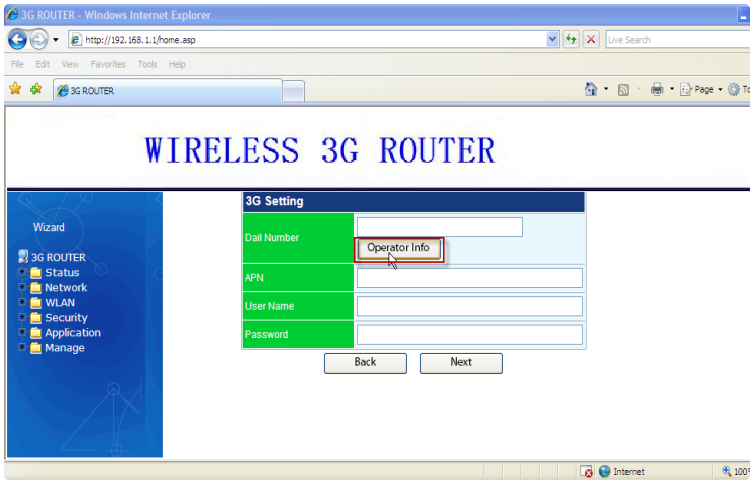
6. Select your Time Zone, and click **Next** to continue.



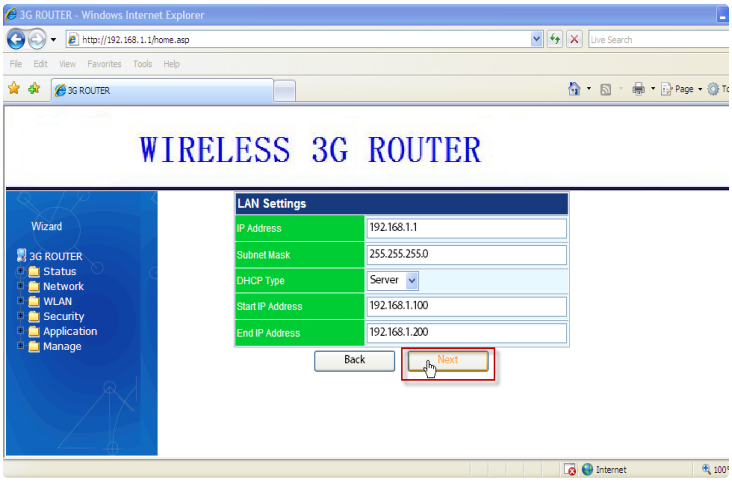
7. Select 3G Mode as your WAN Mode.



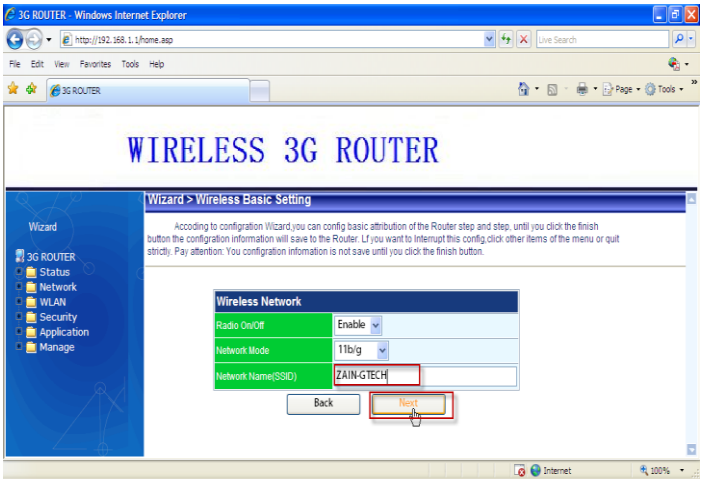
8. Click "**Operator Info**", to select the 3G service details, or manually enter details supplied by your 3G service provider. Make sure it is correct before clicking **Next** to continue.



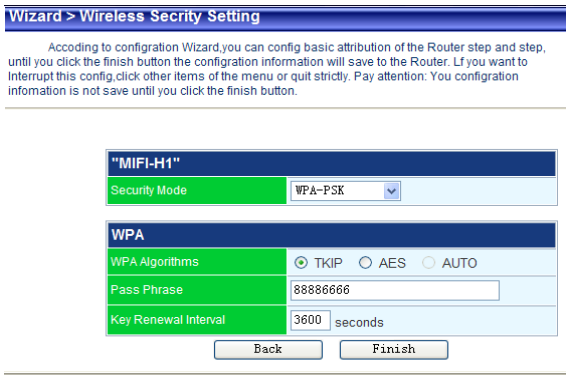
9. Keep the default LAN settings and click **Next** to continue.



10. Enter a new SSID under Network Name, and click **Next** to continue.



11. Enter a wireless Security Password to protect your wireless connection from any unauthorized access. Click **Finish** when done, the 3G Router will now reboot to register settings. Wait for a few minutes before attempting to connect to it again.


Wizard > Wireless Secrity Setting
Accoding to configration Wizard,you can config basic attribution of the Router step and step, until you click the finish button the configration information will save to the Router. Lf you want to Interrupt this config,click other items of the menu or quit strictly. Pay attention: You configration infomation is not save until you click the finish button.
"MIFI-H1"
Security Mode
WPA-PSK
WPA
WPA Algorithms
TKIP
AES
AUTO
Pass Phrase
88886666
Key Renewal Interval
3600
seconds
Back
Finish

7. FAQ's

1. **I cannot seem to access the web page interface.**
   The default IP address of the unit is 192.168.1.1, so first try to open a web browser to this address. Make sure an established WIFI connection exists, and your laptop/PC is on the same subnet as the router.

2. **The GTECH104 was connected to the Internet, but cannot get back on.**
   Press and hold the Reset button for less than 5 seconds for a soft reset, if the problem persists, unplug the power adapter, and turn the phone Off/On (Refer to Base View instructions)

3. **I cannot seem to get a 3G WAN connection.**
   Click on the 3G Internet Settings link on the webpage interface and check that the correct APN settings are entered.
   • Also check that the username and password credentials are correct if the APN in use requires these.

4. **I have replaced the SIM in the unit, but can't get access to the Internet.**
   Click on the 3G Internet Settings link on the webpage interface and check that the correct APN settings are entered.
   • Also check that the username and password credentials are correct if the APN in use requires these.
   • If the problem still persists, Press and hold the Reset button for 10 seconds for a hard reset, this will set the GTECH104 back to its default settings. Follow the instructions labeled "**First Time Simple Configuration Wizard" ,** to setup the GTECH104 again.

5. **I can't seem to setup data access via the USB connection.**
   Make sure that your PC has the appropriate operating system installed (Microsoft Windows XP or 2000). If the auto install dosen't run, you might might have to locate the software manually on the device and run the install. If the problem persists, contact your local support centre.

8. Legal & Regulatory Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION, READ THIS INFORMATION BEFORE USING YOUR PHONE.

Safety

Exposure to Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

RF Energy Interference/Compatibility

Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some instances your phone may cause interference.

Medical Devices

- Radio signals transmitted from the unit may cause interference to hearing aids.
- It is recommended that if you have a pacemaker fitted you check with a medical expert before using this product.

Other

- Radio signals transmitted from the unit may cause interference to electrical equipment, such as TV's, Microwave, Computer's etc. It is recommended that the unit be placed at least one meter away from such appliances.

Cleaning

- Make sure the unit is off and the charger is not plugged in before cleaning the unit.
- Use a damp cloth or anti-static wipe to clean. Never use household polish as this may damage the product and could void warranty.

Environmental

- Only use the power supply suitable for the GTECH range. Using an unauthorized power supply will invalidate your warranty and may damage the telephone.
- Do not expose unit to direct sunlight.
- Do not expose the unit to fire, explosive or other hazardous conditions.
- The earpiece/mouthpiece region on the handset can attract and retain small metallic objects.

Battery and Charger

- Unplug the charger from the electrical plug and the device when not in use.
- Do not disassemble the battery or solder the battery poles, it may lead to electrolyte leakage, overheating, fire, or explosion.
- If battery electrolyte leaks out, ensure that the electrolyte does not touch your skin and eyes. If the electrolyte touches your skin or splashes into your eyes, wash your eyes with water immediately and consult a doctor.
- If there is a case of battery deformation, colour change, or abnormal heating while you charge or store the battery, remove the battery immediately and stop using it. Otherwise, it may lead to battery leakage, overheating, explosion, or fire.
- If the power cable is damaged (for example, the cord is exposed or broken), or the plug loosens, stop using the cable at once. Otherwise, it may lead to an electric shock, a short circuit of the charger, or a fire.

Emergency Call

Whilst emergency calls can be made using this device, you should not rely solely on it for emergency calls, as a connection is not always guaranteed.

Disposal and Recycling Information

This device (and any included batteries) should not be disposed of as normal household garbage. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of their life. For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service or the retail store where you purchased this device. The disposal of this device is subject to the Waste from Electrical and Electronic Equipment (WEEE) directive of the European Union. The reason for separating WEEE and batteries from other waste is to minimize the potential environmental impacts on human health of any hazardous substances that may be present.

Reduction of Hazardous Substances

This device is compliant with the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC of the European Parliament and of the Council) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2002/95/EC of the European Parliament and of the Council).

Declaration of Conformity

We declare under our sole responsibility that the product detailed in this manual, and in combination with our accessories, conform to the essential requirements of the European Union Directive 1999/5/EC Radio and Telecommunications Terminal Equipment Directive 3.1(a). 3.1(b) and 3.2, the Radio Communications Standard (Electro-magnetic Radiation Human Exposure) 2003, and the Australian Communications and Media Authority Section 376 of the Telecommunications Act 1997.